

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number:

0 456 920 A3

(12)

EUROPEAN PATENT APPLICATION(21) Application number: **90303880.0**(51) Int. Cl.⁵: **G06F 1/00, G06F 9/46**(22) Date of filing: **10.04.90**(30) Priority: **15.05.89 US 352075**(43) Date of publication of application:
21.11.91 Bulletin 91/47(84) Designated Contracting States:
DE FR GB(86) Date of deferred publication of the search report:
22.04.92 Bulletin 92/17(71) Applicant: **International Business Machines Corporation**
Old Orchard Road**Armonk, N.Y. 10504(US)**(72) Inventor: **Johnson, Donavon William**
PO Box 230-3000**Georgetown, TX 78627(US)**Inventor: **Smith, Todd Allen****1802 Apricot Glen****Austin, TX 78746(US)**(74) Representative: **Bailey, Geoffrey Alan**
IBM United Kingdom Limited Intellectual
Property Department Hursley Park
Winchester Hampshire SO21 2JN(GB)(54) **Remote authentication and authorisation in a distributed data processing system.**

(57) The disclosed system and method authorises a process running at a client data processing system to have access to a service at a server data processing system. The data processing systems are connected by a communication link in a distributed processing environment. A set of credentials for the process are created at the server in response to a message from the client requesting a service. The server returns a credentials id identifying the created set of credentials to the client process. The client uses this returned id in subsequent requests and is authorised access as controlled by the set of credentials identified by the returned id in the subsequent request. The server can deny access to the service by the process if the id returned in a subsequent request is determined by the server not to identify the set of credentials. The server denies the access if the server requires an authentication of the process.

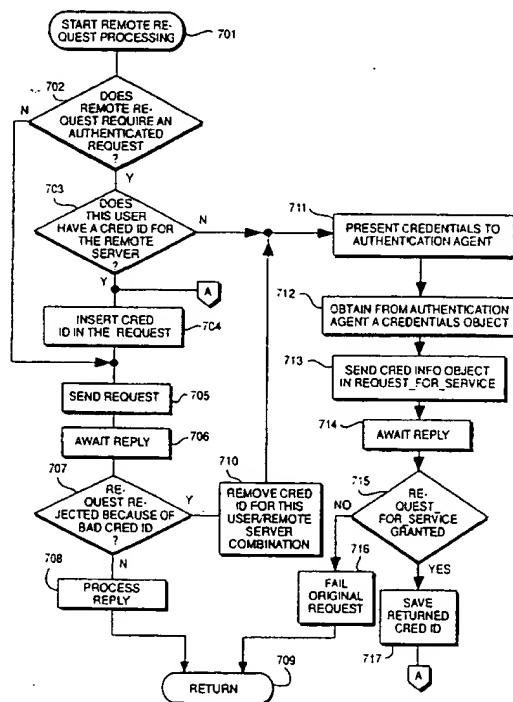


FIG. 7

EP 0 456 920 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 90 30 3880

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Y	IBM TECHNICAL DISCLOSURE BULLETIN, vol. 31, no. 8, January 1989, NEW YORK US pages 195 - 198; 'METHOD FOR MANAGING CLIENT/SERVER RETIONSHIPS IN THE AIX OP-SYSTEM' * page 195, line 1 - page 196, line 42 *	1, 2, 4-6, 14-16	G06F1/00 G06F9/46
X	---	10, 11, 13	
Y	ELEKTRONIK, vol. 35, no. 16, August 1986, MUNCHEN DE pages 67 - 70; U. HEYMOELLER: 'AUFBAU UND FUNKTIONSWEISE DES UNIX-BETRIEBSSYSREMS' * page 69, left column, line 31 - line 59 *	1, 2, 4-6	
Y	US-A-4 593 376 (VOLK) * abstract *	14-16	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G06F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 26 FEBRUARY 1992	Examiner WEISS P.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	